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(54) Title: PROCESS FOR THE PREPARATION OF POROUS ETHYLENE POLYMERS AND POROUS POLYMER OBTAINABLE THEREOF

(57) Abstract: The invention relates to a process for the preparation of porous ethylene polymers and to a specific group of ethylene polymers therefrom obtained. In particular, the present invention relates to a process for the preparation of ethylene (co)polymers characterized by: prepolymerizing propylene in the presence of a Mg, Ti, and halogen containing solid catalyst component having a porosity, higher than 0.25 cc/g up to producing from 0. 1 to 15 g of propylene pre-polymer per g of catalyst component; and polymerizing ethylene in the presence of the propylene pre-polymer obtained in step (i) up to an amount of ethylene polymer ranging from 10g to 2.5 kg per g of propylene prepolymer.